

# Telguard Digital model TG-4

## QUICK INSTALLATION GUIDE

### Installation Summary

There are five steps in installing Telguard properly. **IF YOU DO NOT PROCEED IN THE ORDER AND MANNER PRESCRIBED, YOU MAY NOT COMPLETE THE INSTALLATION IN THE TIME ALLOCATED.**

Complete the Activation Form online at [www.Telguard.com](http://www.Telguard.com) or fax the form to Telular Cellular Service prior to leaving for the job site. Telular requires this information to register and activate the unit.

### STEP 1: LOCATE UNIT AND MEASURE SIGNAL STRENGTH (RSSI)

First, you will be confirming that Telguard has adequate cellular signal strength. Put J10 across both pins, LEDs will now indicate signal strength, minimum recommended is 2 1/2 (2 on solid and the third flashing).

### STEP 2: TRANSMIT C/C ALARMS OVER THE TELCO CONNECTION

Once you have confirmed that the unit is active, you will be ready to verify that the C/C is programmed properly. This step is important to verify that the C/C is programmed with valid account code and central station information before transmitting signals through the cellular network.

### STEP 3: REGISTER TELGUARD & TRANSMIT C/C ALARMS OVER THE CELLULAR RADIO NETWORK

Next, you will be connecting the C/C's digital dialer output to Telguard and verifying that alarm signals can be reliably sent through Telguard over cellular to the central station digital receiver. The incoming Telco line is not connected to Telguard during this step. A minimum of two alarm signals must be transmitted.

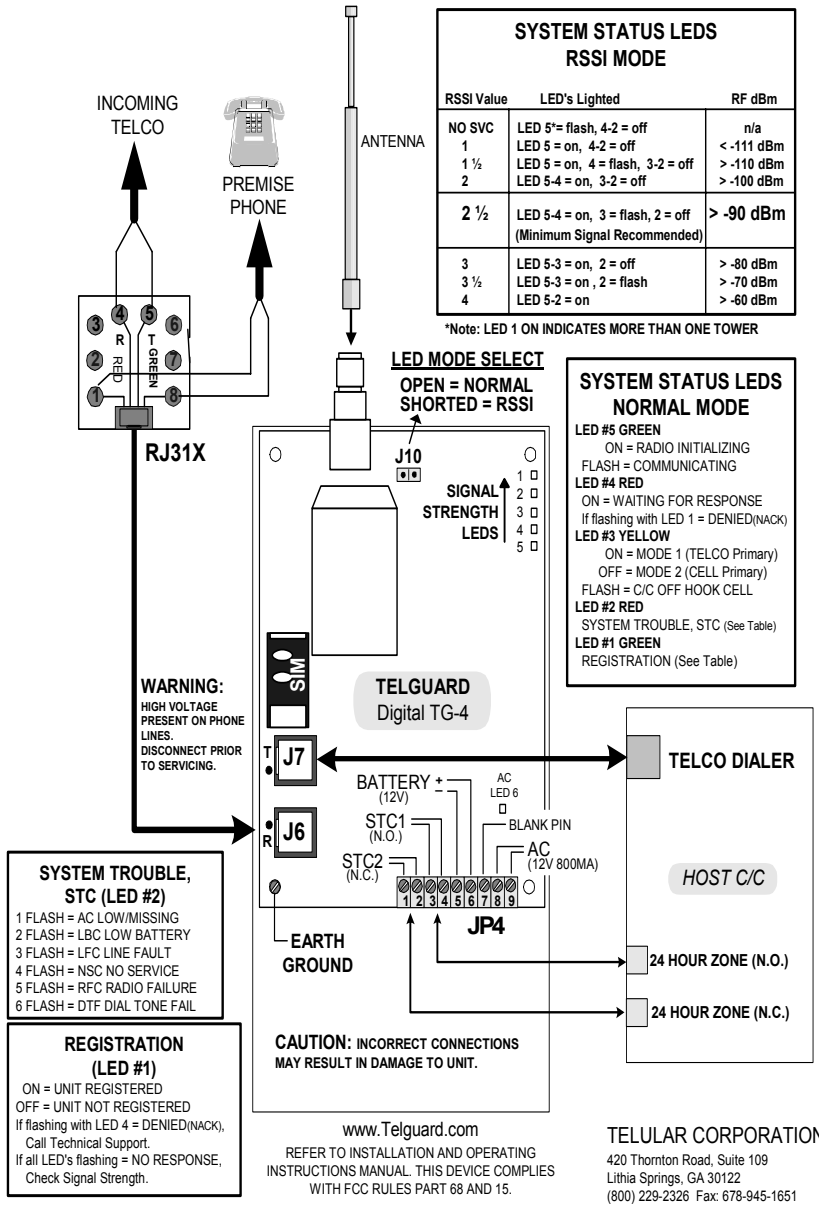
**(NOTE: THE FIRST ALARM WILL REGISTER THE UNIT WITH THE TELULAR COMMUNICATION CENTER, IT WILL NOT GO TO THE CENTRAL STATION, ALL SIGNALS AFTER THE FIRST ARE SENT TO THE CENTRAL STATION)**

### STEP 4: CONNECT SUPERVISORY TRIP OUTPUTS

Next, you will wire Telguard's supervisory trip outputs to the C/C and then test.

### STEP 5: COMPLETE THE INSTALLATION

Your last step will be to check the jumper setting of J10 (LED mode, open = normal), attach earth ground, and permanently mount the unit.



www.Telguard.com  
 REFER TO INSTALLATION AND OPERATING INSTRUCTIONS MANUAL. THIS DEVICE COMPLIES WITH FCC RULES PART 68 AND 15.

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## Setup & Programming the Operating Parameters in the Telguard Digital

When the Telguard is received from the factory and is powered up for the first time, it is immediately ready for registration, provided the default settings are what you want (note: activation form must be sent to Telular). The STC LED will flash to indicate any failure conditions. The Mode LED will be on and the STC 1 and STC 2 relays will be tripped. If changes are required to the default settings, the Telguard can be programmed using a line-mans butt-set connected to T & R Test Points or a POTS phone connected to J7 (where the C/C is normally connected).

### TO PROGRAM THE Telguard Digital

- A. Put the line-mans butt-set in talk mode or pick up the POTS phone.
- B. Connect power to the Telguard, when ready for programming you will hear 2 beeps.
- C. Press #, \*, this will put the Telguard into a Master Access programming mode, 2 beeps.
- D. Enter changes required.

The syntax for programming a specific memory location is as follows:

**MEMORY LOCATION (3-digits), will respond with 2 beeps, then VALUE, will respond with 2 beeps.**

- E. Then press \*, you will hear 2 beeps then hang up. This saves the change and exits the programming mode.

### EXAMPLE

To change the Telguard factory default for STC 1 Trip Output reporting from only LFC to include all system trouble conditions the installer would power down the Telguard, connect a butt-set to the T & R test points, reconnect power. When unit is ready for programming you will hear 2 beeps. Next press #, \* the unit will generate a programming tone. Then press 850, the Telguard will respond with 2 beeps, then press 31, the Telguard will respond with 2 beeps, then press \*, you will hear 2 beeps, then hang up (this will change STC 1 trip output to report all system trouble conditions). The Telguard will automatically transmit a message to update the Telular Communication Center.

MEM LOC.	FIELD	DEFAULT	SETTING
833	C/C Reporting Format	09	01= 4x2 pulse, 40pps 2300 hz    02= 4x2 pulse, 20pps 2300 hz 03= 4x2 pulse, 20pps 1400 hz    04= 3x1 pulse, 40pps, 2300 hz 05= 3x1 pulse, 20pps, 2300 hz    06= 3x1 pulse, 10pps, 1400 hz 08 = Contact ID <b>09 = Auto Format Detect</b> 11 = SIA2 (300 Baud)
850	STC 1 Trip Output Reporting Normally Open	04	Enter the <b>SUM TOTAL</b> of the events that you wish to trip the STC relay by <b>ADDING</b> the corresponding values: 00 = STC Trip Input Not Used 01 = AC Failure <b>04 = LFC</b> 16 = RFC 02 = Low Battery    08 = NSC    31 = All
851	STC 2 Trip Output Reporting Normally Closed	27	Enter the <b>SUM TOTAL</b> of the events that you wish to trip the STC relay by <b>ADDING</b> the corresponding values: 00 = STC Trip Input Not Used <b>01 = AC Failure</b> 04 = LFC <b>16 = RFC</b> <b>02 = Low Battery</b> 08 = NSC    31 = All
852	STC Trip Delay for LFC and NSC	1	<b>1=30 Seconds</b> 2=60 Seconds
861	CFC Number of Events	0	<b>0 = disabled</b> 2 = 4 attempts 1 = 2 attempts    3 = 8 attempts
862	CFC between Events	1	<b>1 = 30 seconds</b> 3 = 70 seconds    5 = 90 seconds 2 = 60 seconds    4 = 80 seconds    6 = 99 seconds
872	AC Failure Delay	02	0-24 hours, <b>default = 2 hours</b>
899	Factory Default Unit		